

YAYASAN ADI UPAYA UNIVERSITAS DIRGANTARA MARSEKAL SURYADARMA (UNSURYA)

Jl. Protokol Halim Perdanakusuma - Komplek Bandara Halim PK - Jakarta 13610 Telp. : (021) 8093475 - 8009246 - 8009249 Faks. : (021) 8009246

e-mail: sekretariat@unsurya.ac.id



SURAT TUGAS

Nomor: ST/FTDI-Unsurya/ 11 / IX /2024

Yang bertanda tangan dibawah ini, Dekan Fakultas Teknik Dirgantara dan Industri Universitas Dirgantara Marsekal Suryadarma, dengan ini memberikan tugas kepada :

1. Nama

: Ir. Amat Chaeroni, S.T. M.T

NIP/NIDN

: 0314047503

Jabatan

: Dosen Prodi Teknik Aeronautika

Instansi

: Universitas Dirgantara Marsekal Suryadarma

2. Nama

: Aswan Tajuddin, S.T, M.Pd

NIP/NIDN

: 0321108402

Jabatan

: Dosen Prodi Teknik Penerbangan

Instansi

: Universitas Dirgantara Marsekal Survadarma

Untuk Menyusun Modul dan Practical Training Guide Technical Drawing sebagai bahan pengajaran mata kuliah Technical Drawing.

Demikian Surat Tugas ini dibuat untuk dapat dipergunakan sebagaimana mestinya.

Jakarta, 06 September 2024 Fakultas Teknik Dirgantara dan Industri

Dekan

Dr. Aprilia Sakti K., S.Si, M.Si



Course Title	: BASIC AIRCRAFT MAINTENANCE AIRFTAME POWERPLANT
Practical Code	: M2A. TECHNICAL DRAWING
Trainee Name	:
Trainee No.	:

Aircraft Maintenance Training Organization Universitas Dirgantara Marsekal Suryadarma

Jl. Protokol Halim Perdanakusuma Komplek Bandara Halim PK Jakarta 13610 Phone: 62-21-8093475 / 8009246

Fax: 62-21-8009246

PRACTICAL TRAINING GUIDE TECHNICAL DRAWING

FOR

STUDENT OF BASIC AIRCRAFT MAINTENANCE AMTO UNSURYA

Created by: Ir. Amat Chaeroni, S.T., M.T.

NIDN: 0314047503

Table of Contents:

- 1. WS5/M2A.1 1 : Practice in making the types of lines
- 2. WS5/M2A.2 1 : Practice in first angle projections
- 3. WS5/M2A.2 2 : Practice in third angle projections
- 4. WS5/M2A.3 1 : Practice in orthographic sketching
- 5. WS5/M2A.3 2 : Practice in pictorial sketching



Trainee Guidelines:

- · Read the applicable Procedures/maintenance manuals and maintenance instructions.
- · Observe demonstration of the task elements by the Practical Instructor.
- Answer each question correctly.
- · Perform, simulate, observe or discuss the task elements as directed by the Practical Instructor.
- Sign and date each page of the Practical Training Guide and Performance Evaluation Checklist in the spaces provided after the Practical Instructor sign.

Practical Instructor's Guidelines:

- · Conduct an in-depth walk-through of the system with the trainee.
- Demonstrate each the tasks following the prescribed procedures.
- · Cover the procedures/maintenance manuals and maintenance instructions with the trainee.
- Ask the trainee the questions on the Practical Training Guide and Performance Evaluation Checklist and credit each correct answer by placing your initials in the space provided.
- Coach the trainee during a hands-on practice session using the procedure and the Practical Training Guide and Performance Evaluation Checklist as guides.
- Observe the trainee as the trainee performs the task elements and credit satisfactory performance by placing your initials in the spaces provided.
- Grant Task Qualification if the trainee answers all questions and performs all steps according to the Practical Training Evaluation Standard.
- · If Task Qualification is not granted, see the Manager/General Manager to inform accordingly
- Coach the trainee until satisfactory, unassisted performance is attained and all questions are answered correctly by the trainee.
- · Sign and date each page of the Practical Training Guide and Performance Evaluation Checklist and the practical training section on the back page of the Practical Training Guide and Performance Evaluation Checklist as training is completed.

Practical Training Evaluation Standards

Mode of Evaluation:

The following Practical Training Evaluation Standard Codes are found next to each task element and question on the Practical Training Guide and Performance Evaluation Checklist to indicate the mode of evaluation acceptable for that element:

P = Perform D = DiscussS = Simulate O = Observe

In order for the trainee to successfully pass the Practical Training Guide and Performance Evaluation Checklist and be Task Qualified:

- "Perform" items (P) must be performed.
- "Simulate" items (S) must be simulated and may be performed if conditions permit.
- "Discuss" items (D) must be discussed and may be simulated or performed if conditions permit.
- "Observe" items (O) must be observed and may be discussed, simulated, or performed if conditions permit.

Form No.: AU-TFM-D03.26 Page: i of ii



Standards and Conditions:

Standards and conditions are listed for each task element as appropriate. These standards and conditions amplify and clarify those stated or implied in the terminal and enabling objectives. For example, the overriding practical training evaluation standard, "Without Error," may be amplified to achieve a more precise performance measurement.

Standards may relate to the process or product of performance.

Process standards:

- · Procedural steps which must be performed sequentially are coded "S."
- Steps which must be performed without deviation from procedure, are deemed critical, and coded "C."
- The designation "S" and/or "C" in the column provided, indicates that the step must be performed sequentially and without deviation.
- · A trainee's inability to meet process standards constitutes immediate failure during evaluation.

Product of performance standards:

• Criteria for judging acceptability of performance, e.g., Measuring a clearance to within a specified tolerance of the Maintenance Instruction/Maintenance Reference, etc.

Conditions are requirements that exist for task performance. They define such aspects as:

- Facility or aircraft/component conditions, e.g., room at standard temperature, access panel open, engine on wing, APU on or off, etc.
- · <u>Safety</u> conditions, e.g., wearing safety shoes, etc.
- · <u>Information</u> <u>and resources</u> available (or not) to the trainee such as Maintenance Instructions/Maintenance Reference, etc.

Practical Instructor Evidence: Beginning with this page, you will find practical training enabling objectives (as applicable) followed by pertinent questions and task elements, which are numbered in procedural sequence. Attach actual forms, checklists, and tags as applicable if used as a part of your practical training instruction and/or performance evaluation.

Instruction to Trainee: You are to perform the required installation using the necessary references and equipment, and complete all required documentation. If you perform a critical step improperly, or do a step out of sequence, you will fail this performance test.

Form No.: AU-TFM-D03.26 Page: ii of ii



Module

Practical Training Guide, Performance and Evaluation

Issue No : M2A Task No. : WS5/M2A.1-1 Trainee Name

Making ____

: Techincal Drawiing Task Types of Lines

Trainee Unit

Terminal Objective: The Trainee able to create and understand the types of lines in technical

drawings

No.	Enabling Objectives
1.	Using applicable reference data instruction, understand the mentioned of reference data.
2.	Using applicable tools/equipments perform drawing an object.
	Tools : Drawing Kit Material : Drawing Paper

Form No.: GMF/U-023 R2 Page 1 of 4



Practical Training Enabling Objective No. 1 Performance Guide:

Using applicable reference data instruction, understand the mentioned of reference data.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Get applicable data. Verify data's of lines; continue thick line, continue thin line, dotted line, diameter line etc.		
2	D	Read and understand instruction, symbol of the reference data mentioned. Explain to trainee all information given through the data mentioned.		
3	D	Understand and verify the information data to get equipments and tools to be used. Use appropriate material; do not obvious damage during perform working.		
4	0	Preparation all information, equipments and tools according reference data. The discrepancy stated on reference data have to understand and comprehended how to use it.		



Practical Training Enabling Objective No. 2 Performance Guide:

Using applicable tools/equipments perform drawing an object.

	<u> </u>			
No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Using appropriate tools/equipment and material through the references data get the appliance to do work. Use approved material, as approved by Manufacturing Company or that agrees with the		
		specifications.		
2	Р	Detail drawing an object of retainer according to data reference. Observe safety precautions, which may be necessary, follow notes, Cautions and procedures.		
3	Р	Show all views to portray an object clearly to illustrate the object are drawn. Ensure the working results are properly to configuration and clearly views for that characteristics.		
4	Р	Clean the drawing, when finish, and return it to proper place, it will cause damage to the drawing when use. Do not let dirt, and get other unwanted material in the working face of drawing during and after drawing.		
5	Р	Fold the drawing when finish, drawing or prints are folded originally in proper place. Care should be taken when folding the print or drawing, must give such information as size and shape of the object.		
67	D	Count tools equipment, must be the same as initial. The trainee should be explaining how to verify / check the tools before start/after performance works.		
7	Р	Put appliances, tools/equipments and material will not absorb contamination and keep clean. Return tools/equipments and material to the store. Tools should be maintained with care.		



Standard

Result

Task Performance Evaluation

The trainee has completed classroom and practical training requirement and is ready for performance evaluation on the following task numbers.

No.	Commetence	Flamont Commetency	Stanuaru			Remarks	
140.	Competency	Element Competency	Score	EO. 1	EO.2	EO.3	Remarks
1	Attitude	 Capability to use relevant to equipment/test equipment. Demonstrate a responsible attitude in respect to flight s and airworthiness of the airc Safety precautions for traine the product Clean working conditions Identify the location of components 	afety craft 50				
2	Work Result	 No damage exists on part / assembly and tools / equipm (IMTE. Required inspection/testing without missing any defects Proper part/assembly, mater handling and working refer maintenance manuals. Correct removal / fitment / adjustment of components. 	. 40				
3	Time	- Accomplishment	10				
Tota	l Score per Enal	oling Objectives	100				
Pass	/Fail		1				
Ovei	rall Results:			1	1	1	
Trair	nee		Practical Instructo	or/Practi	ical Ass	essor	
Name :			Name :				
ID No	umber :		ID Number :				
Signa	ature :		Signature :				

Date

Form No.: AU-TFM-DO3.26

Date

								REVISION	IS						
NO			DES	CRIP	TION			DATE		Е	SY		APPR	OVED	
					1			V .	l n			_			
					Jenis Ga	ns		Keterangan	Penggu	naan					
					Α —		-	Tebal kontinu.		ris-garis ris-garis	nyata (gamba tepi.	r).			
					в —			Tipis kontinu.	B2. Ga B3. Ga B4. Ga B5. Ga B6. Ga per dite	ris-garis ris-garis ris-garis ris-garis ris-garis nampang empat.	proyeksi/bantu penunjuk. arsir. nyata dari				
					c. ^	\wedge	~	Tipis kontinu bebas.	C1. Ga pot bag bat	ris-garis tongan se gian yang	batas dari ebagian atau dipotong, bil ikan garis	a			
					D.	V-	1	Tipis kontinu dengan sig-sig.		ma denga ntinu beb	an garis tipis oas.				
					E			Garis gores tebal.			terhalang. erhalang.				
					F			Garis gores tipis.		ris nyata ris tepi te	terhalang. erhalang.				
					G			Garis bergores tipis.		ris sumb ris simeti ntasan.					
					н			Garis bergores tebal.	yan		permukaan mendapat khusus.				
					I			Garis bergores ganda tipis.	I2. Bata ber I3. Ben dib I4. Bag	as-batas nda tang tuk semi entuk. jan bend	berdampingar kedudukan bergerak. ala sebelum a yang berada ang potong.				
ļ,												_			
\vdash										-					
$\vdash \vdash$							-	+		+					-
REQ PER	ASSY		Part No.		Opp Dasi	Shn No.	Req.	Part Nar	me	М	aterial	St	ock Size	Remark	Sht
	,	APPROVED		Dime	nsions	in		∇ Rough ∇'	⊽⊽ Smo	ooth	Scale:		Finish	ALODINE	1200 S
ISSUE	ı	DATE	SIGN	Remo	ove all l c sharp	ourrs a	nd	∇∇ Medium ∇¹			NONE		DRAWN		
ORIG				=				1					CHEKED		
Α															
В				ТІТ	LE			TVDE OF	LINIEC				Size	Drawin	g No.
С								TYPE OF	LIINE2				A4		
D							FC	OR TRAINING PU	RPOSE O	NLY					4



Issue No : M2A Task No. : WS5/M2A.2-1 Trainee Name

Module : Techincal Drawiing Task : First Angle Trainee

Name : Projections Unit

Job Title : Basic Aircraft Date : ID No. :

Terminal Objective: The Trainee able to create and understand the rules of first angle projections

No.	Enabling Objectives
1.	Using applicable reference data instruction, understand the mentioned of reference data.
2.	Using applicable tools/equipments perform drawing an object.
	Tools : Drawing Kit Material : Drawing Paper



Practical Training Enabling Objective No. 1 Performance Guide:

Using applicable reference data instruction, understand the mentioned of reference data.

No.	Code	Learning Step / Trainee	References	Trainee
		Prompt		Sign
1	P	Get applicable data.		
'		Verify data's of first angle projections		
		Read and understand instruction, symbol of the		
2	D	reference data mentioned. Explain to trainee all information given through the		
		data mentioned.		
		Understand and verify the information data to get		
3	D	equipments and tools to be used. Use appropriate material; do not obvious damage		
		during perform working.		
		Preparation all information, equipments and tools according reference data.		
4	0	The discrepancy stated on reference data have to		
		understand and comprehended how to use it.		



Practical Training Enabling Objective No. 2 Performance Guide:

Using applicable tools/equipments perform drawing an object.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Using appropriate tools/equipment and material through the references data get the appliance to do work.		
1	'	Use approved material, as approved by Manufacturing Company or that agrees with the specifications.		
2	Р	Detail drawing an object of retainer according to data reference. Observe safety precautions, which may be necessary, follow notes, Cautions and procedures.		
3	Р	Drawn first angle projection on the side of views an object. Use the meaning of lines and intensities for the job; keep good tools in good condition.		
4	Р	Show all views to portray an object clearly to illustrate the object are drawn. Ensure the working results are properly to configuration and clearly views for that characteristics.		
5	Р	Clean the drawing, when finish, and return it to proper place, it will cause damage to the drawing when use. Do not let dirt, and get other unwanted material in the working face of drawing during and after drawing.		
6	Р	Fold the drawing when finish, drawing or prints are folded originally in proper place. Care should be taken when folding the print or drawing, must give such information as size and shape of the object.		
7	D	Count tools equipment, must be the same as initial. The trainee should be explaining how to verify / check the tools before start/after performance works.		
8	Р	Put appliances, tools/equipments and material will not absorb contamination and keep clean. Return tools/equipments and material to the store. Tools should be maintained with care.		



Standard

Result

Task Performance Evaluation

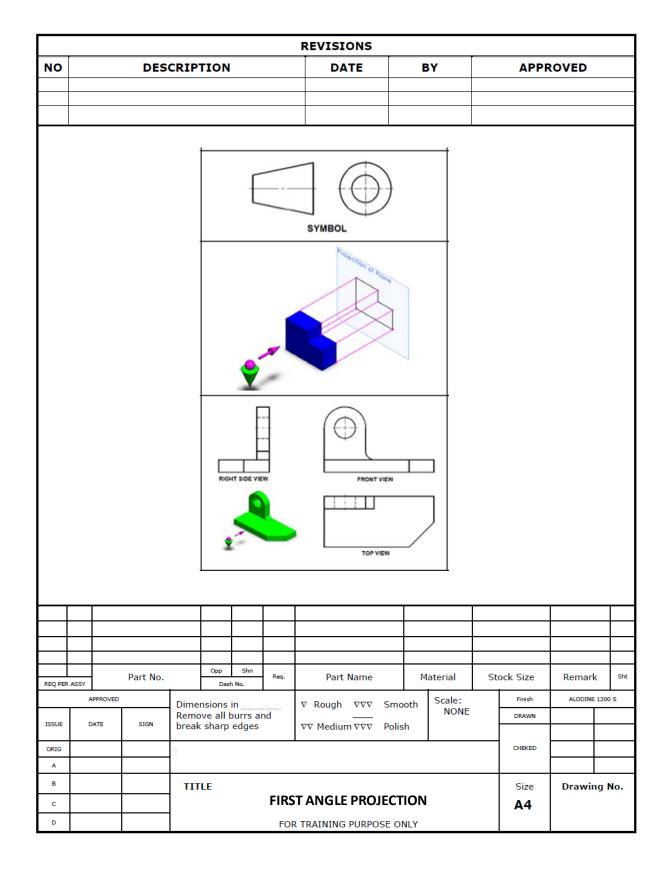
The trainee has completed classroom and practical training requirement and is ready for performance evaluation on the following task numbers.

No.	Competency	Element Competency	Standard	nesuit			Remarks	
110.	competency	Liement Competency		Score	EO. 1	EO.2	EO.3	nemarks
1	Attitude	 Capability to use relevant to equipment/test equipment Demonstrate a responsible attitude in respect to flight and airworthiness of the air Safety precautions for trained the product Clean working conditions Identify the location of components 	50					
2	Work Result	 No damage exists on part / assembly and tools / equipm (IMTE. Required inspection/testing without missing any defects Proper part/assembly, mate handling and working refer maintenance manuals. Correct removal / fitment / adjustment of components 	g s. erial to	40				
3	Time	- Accomplishment		10				
Tota	l Score per Enal	oling Objectives		100				
Pass	/Fail		1					
Ovei	all Results:				1	1	1	
Trair	nee	al Instructo	r/Practi	cal Ass	essor			
Nam	e :		Name	:				
ID No	umber :		ID Num	nber :				
Signa	ature :		Signatu	ıre :				

Date

Form No.: AU-TFM-DO3.26

Date





Issue No : M2A Task No. : WS5/M2A.2-2 Trainee Name

Module : Techincal Drawiing Task . Third Angle Trainee

Name : Projections Unit

Job Title : Basic Aircraft Date : ID No.

Terminal Objective: The Trainee able to create and understand the rule of third angle projections

No.	Enabling Objectives
1.	Using applicable reference data instruction, understand the mentioned of reference data.
2.	Using applicable tools/equipments perform drawing an object.
	Tools : Drawing Kit Material : Drawing Paper

Form No.: AU-TFM-D03.26 Page 1 of 4



Practical Training Enabling Objective No. 1 Performance Guide:

Using applicable reference data instruction, understand the mentioned of reference data.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Get applicable data. Verify data's of third angle projections		
2	D	Read and understand instruction, symbol of the reference data mentioned. Explain to trainee all information given through the data mentioned.		
3	D	Understand and verify the information data to get equipments and tools to be used. Use appropriate material; do not obvious damage during perform working.		
4	0	Preparation all information, equipments and tools according reference data. The discrepancy stated on reference data have to understand and comprehended how to use it.		



Practical Training Enabling Objective No. 2 Performance Guide:

Using applicable tools/equipments perform drawing an object.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Using appropriate tools/equipment and material through the references data get the appliance to do work.		
•	'	Use approved material, as approved by Manufacturing Company or that agrees with the specifications.		
2	Р	Detail drawing an object of retainer according to data reference. Observe safety precautions, which may be necessary, follow notes, Cautions and procedures.		
3	Р	Drawn third angle projection on the side of views an object. Use the meaning of lines and intensities for the job; keep good tools in good condition.		
4	Р	Show all views to portray an object clearly to illustrate the object are drawn. Ensure the working results are properly to configuration and clearly views for that characteristics.		
5	Р	Clean the drawing, when finish, and return it to proper place, it will cause damage to the drawing when use. Do not let dirt, and get other unwanted material in the working face of drawing during and after drawing.		
6	Р	Fold the drawing when finish, drawing or prints are folded originally in proper place. Care should be taken when folding the print or drawing, must give such information as size and shape of the object.		
7	D	Count tools equipment, must be the same as initial. The trainee should be explaining how to verify / check the tools before start/after performance works.		
8	Р	Put appliances, tools/equipments and material will not absorb contamination and keep clean. Return tools/equipments and material to the store. Tools should be maintained with care.		



Standard

Result

Remarks

Task Performance Evaluation

No. Competency

Date

The trainee has completed classroom and practical training requirement and is ready for performance evaluation on the following task numbers.

Element Competency

110.	competency	Liement competency		Score	EO. 1	EO.2	EO.3	nemarks
1	Attitude	 Capability to use relevant to equipment/test equipment. Demonstrate a responsible attitude in respect to flight and airworthiness of the airce. Safety precautions for trained the product. Clean working conditions. Identify the location of components. 	safety craft	50				
2	- No damage exists on part / assembly and tools / equipm (IMTE Required inspection/testing without missing any defects Proper part/assembly, mater handling and working refer to maintenance manuals Correct removal / fitment / adjustment of components.			40				
3	Time		10					
Tota	l Score per Enal	oling Objectives		100				
Pass	/Fail							
Over	all Results:							
Trair	nee		Practic	al Instructo	r/Practi	cal Ass	essor	
Name :				:				
ID No	ımber :		ID Num	nber :				
Signa	ature :		Signatu	ıre :				

Date

							REVISIONS						
NO		DES	CRIP	TION	l		DATE	E	ВҮ		APPR	ROVED	
						1		$\overline{}$					
						(-	})	-					
						7							
							SYMBOL						
				\perp				Qu.					
							Piolociio Piolos						
							of Plane						
						N	1						
					=	-							
							_/ >						
						TOP VIEW	•						
					0								
					1	<i>'</i>			H				
					_				ᆈᅵ				
						FRONT VI	EW	RIGHT SIDI	VIEW				
					1	ı	1					ı	
				Орр	Shn								
REQ PER	ASSY	Part No.		_	sh No.	Req.	Part Name	M	aterial	Sto	ock Size	Remar	K Sht
	APPROVED		Dime	nsions	in		∇ Rough ∇∇∇ S	Smooth	Scale: NONE		Finish	ALODINE	1200 S
ISSUE	DATE	SIGN	Remo	ve all	burrs a edges	nd	∇∇ Medium ∇∇∇	Polish	INOINE		DRAWN		
ORIG							<u> </u>			\dashv	CHEKED		
Α													
В			тіт	LE							Size	Drawii	ng No.
С					-	THIRD	ANGLE PROJEC	CTION			A4		
D						FO	R TRAINING PURPOS	E ONLY					



Task No. : WS5/M2A.3-1 Trainee Name : M2A Issue No

Orthographic : Techincal Drawiing Task Module Trainee

projections Unit Name

Basic Aircraft Job Title Date ID No. Maintenance

Terminal Objective: The Trainee able to create and understand the orthographic sketching

No.	Enabling Objectives
1.	Using applicable reference data instruction, understand the mentioned of reference data.
2.	Using applicable tools/equipments perform drawing an object.
	Tools : Drawing Kit Material : Drawing Paper



Practical Training Enabling Objective No. 1 Performance Guide:

Using applicable reference data instruction, understand the mentioned of reference data.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Get applicable data. Verify data's of orthographic projections.		
2	D	Read and understand instruction, symbol of the reference data mentioned. Explain to trainee all information given through the data mentioned.		
3	D	Understand and verify the information data to get equipments and tools to be used. Use appropriate material; do not obvious damage during perform working.		
4	0	Preparation all information, equipments and tools according reference data. The discrepancy stated on reference data have to understand and comprehended how to use it.		



Practical Training Enabling Objective No. 2 Performance Guide:

Using applicable tools/equipments perform drawing an object.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Using appropriate tools/equipment and material through the references data get the appliance to do work.		
'	'	Use approved material, as approved by Manufacturing Company or that agrees with the specifications.		
2	Р	Detail drawing an object of retainer according to data reference. Observe safety precautions, which may be necessary, follow notes, Cautions and procedures.		
3	Р	Drawn orthographic projection on the side of views an object. Use the meaning of lines and intensities for the job; keep good tools in good condition.		
4	Р	Show all views to portray an object clearly to illustrate the object are drawn. Ensure the working results are properly to configuration and clearly views for that characteristics.		
5	Р	Clean the drawing, when finish, and return it to proper place, it will cause damage to the drawing when use. Do not let dirt, and get other unwanted material in the working face of drawing during and after drawing.		
6	Р	Fold the drawing when finish, drawing or prints are folded originally in proper place. Care should be taken when folding the print or drawing, must give such information as size and shape of the object.		
7	D	Count tools equipment, must be the same as initial. The trainee should be explaining how to verify / check the tools before start/after performance works.		
8	Р	Put appliances, tools/equipments and material will not absorb contamination and keep clean. Return tools/equipments and material to the store. Tools should be maintained with care.		



Standard

Result

Task Performance Evaluation

The trainee has completed classroom and practical training requirement and is ready for performance evaluation on the following task numbers.

No.	Competency	Element Competency	Standard	nesuit			Remarks	
110.	competency	Liement Competency	Score	EO. 1	EO.2	EO.3	nemarks	
1	Attitude	 Capability to use relevant to equipment/test equipment Demonstrate a responsible attitude in respect to flight and airworthiness of the air Safety precautions for trained the product Clean working conditions Identify the location of components 	safety craft	50				
2	Work Result	40						
3	Time	- Accomplishment		10				
Tota	l Score per Enal	oling Objectives		100				
Pass	/Fail		1					
Ovei	all Results:				1	1	1	
Trair	nee	Practic	al Instructo	r/Practi	cal Ass	essor		
Name :				:				
ID No	umber :	ID Num	nber :					
Signa	ature :		Signatu	ıre :				

Date

Form No.: AU-TFM-DO3.26

Date

NO DESCRIPTION DATE BY APPROVE Top-side view Front-side view Bottom-side view Left view (elevation) Rear-side view Front-side view Right view (elevation)	
Rear-side view Front-side view Bottom-side view Top (plan) view Right view Right view	en .
Rear-side view Front-side view Bottom-side view Top (plan) view Right view Right view	en l
Rear-side view Front-side view Bottom-side view Top (plan) view Right view Right view	en .
Rear-side view Front-side view Bottom-side view Top (plan) view Right view Right view	e ⁿ
Back view Left view Front-side view Right view	
Bottom view	
Part No. Copp Shn Dash No. Part Name Material Stock Size Rem	mark Sht
	ODINE 1200 S
Remove all burrs and NONE DRAWN	
Dreak Sharp eages VV Medium VVV Tolish	
ORIG CHEKED	
A D D D D D D D D D D D D D D D D D D D	
	awing N o.
p FOR TRAINING PURPOSE ONLY	



Issue No : M2A Task No. : WS5/M2A.3-2 Trainee Name

Module : Techincal Drawling Task : Pictorial Trainee

Name : Sketching Unit

Job Title : Basic Aircraft Date : ID No. :

Terminal Objective: The Trainee able to create and understand the pictorial sketching

	The trained able to dreate and understand the plotental exciteding
No.	Enabling Objectives
1.	Using applicable reference data instruction, understand the mentioned of reference data.
2.	Using applicable tools/equipments perform drawing an object.
	Tools : Drawing Kit Material : Drawing Paper



Practical Training Enabling Objective No. 1 Performance Guide:

Using applicable reference data instruction, understand the mentioned of reference data.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	P	Get applicable data. Verify data's of pictorial drawing etc.		
2	D	Read and understand instruction, symbol of the reference data mentioned. Explain to trainee all information given through the data mentioned.		
3	D	Understand and verify the information data to get equipments and tools to be used. Use appropriate material; do not obvious damage during perform working.		
4	0	Preparation all information, equipments and tools according reference data. The discrepancy stated on reference data have to understand and comprehended how to use it.		



Practical Training Enabling Objective No. 2 Performance Guide:

Using applicable tools/equipments perform drawing an object.

No.	Code	Learning Step / Trainee Prompt	References	Trainee Sign
1	Р	Using appropriate tools/equipment and material through the references data get the appliance to do work. Use approved material, as approved by Manufacturing Company or that agrees with the specifications.		
2	Р	Detail drawing an object of retainer according to data reference. Observe safety precautions, which may be necessary, follow notes, Cautions and procedures.		
3	Р	Drawn pictorial projection on the side of views an object. Use the meaning of lines and intensities for the job; keep good tools in good condition.		
4	Р	Show all views to portray an object clearly to illustrate the object are drawn. Ensure the working results are properly to configuration and clearly views for that characteristics.		
5	Р	Clean the drawing, when finish, and return it to proper place, it will cause damage to the drawing when use. Do not let dirt, and get other unwanted material in the working face of drawing during and after drawing.		
6	Р	Fold the drawing when finish, drawing or prints are folded originally in proper place. Care should be taken when folding the print or drawing, must give such information as size and shape of the object.		
7	D	Count tools equipment, must be the same as initial. The trainee should be explaining how to verify / check the tools before start/after performance works.		
8	Р	Put appliances, tools/equipments and material will not absorb contamination and keep clean. Return tools/equipments and material to the store. Tools should be maintained with care.		



Standard

Result

Task Performance Evaluation

The trainee has completed classroom and practical training requirement and is ready for performance evaluation on the following task numbers.

No.	Competency	Element Competency	Standard	nesuit			Remarks	
110.	competency	Liement Competency	Score	EO. 1	EO.2	EO.3	nemarks	
1	Attitude	 Capability to use relevant to equipment/test equipment Demonstrate a responsible attitude in respect to flight and airworthiness of the air Safety precautions for trained the product Clean working conditions Identify the location of components 	safety craft	50				
2	Work Result	40						
3	Time	- Accomplishment		10				
Tota	l Score per Enal	oling Objectives		100				
Pass	/Fail		1					
Ovei	all Results:				1	1	1	
Trair	nee	Practic	al Instructo	r/Practi	cal Ass	essor		
Name :				:				
ID Number :				nber :				
Signa	ature :		Signatu	ıre :				

Date

Form No.: AU-TFM-DO3.26

Date

REVISIONS								
NO	DE	SCRIPTION		DATE	ВҮ	APPF	ROVED	
			7					
			30°		30°			
			<u>, </u>		<u> </u>			
		,	_					
		\leftarrow	/	45°				
		1 1		· 1				
		1 1	بر	•		7		
		1 1						
		"			$\overline{}$,		
					/			
Τ								
-			+					
	Part No	Opp Shn	Req.	Part Name	Material	Stock Size	Remark	Sht
REQ PER ASSY Dash No.			1 +			Finish	ALODINE 12	
Dimer		Dimensions in Remove all burrs a	move all burrs and NONE					
ISSUE	DATE SIGN	break sharp edges		∇∇ Medium ∇∇∇ P	olish			
ORIG						CHEKED		
A								
В		PICTORIAL SKETCHING				Size	Drawing No.	
C D		FOR TRAINING PURPOSE ONLY						
-			FUK	TRAINING PURPOSE	. UNLT			